

SKOVSKIY, I.

Reorganizing the work on the basis of I.P. Pavlov's theories. Zhur.nevr. i  
psikh. 53 no.8:667-668 Ag '53. (MLHA 6:9)

(Medicine--Study and teaching)

TARMCSIN, P. M., SKOVYBKOC, P. D.

Milling Machinery

Coating the sprockets of a colloid mill with the hard alloy "sormait no. 1." Vest.mash. 32  
No. 1, 1952.

Monthly List of Russian Accessions, Library of Congress, October 1952. Unclassified.

TATKOSIN, P. M., SKOVYRKO, F. D.

Milling Machinery.

Coating the sprockets of a colloid mill with the hard alloy "sormait no. 1."  
Vest.mash. 32, No. 1, 1952.

9. Monthly List of Russian Accessions, Library of Congress, October 1953<sup>2</sup>, Uncl.

1. SKOVYRKO. P.D.

2. USSR (600)

4. Hard Facing

Fusing stalinite to the hammers of coal crushers. Vest. mash. 32 no. 7 1952

9. Monthly List of Russian Accessions, Library of Congress, February 1953. Unclassified.

POLAND/Chemical Technology - Chemical Products and Their Applications, Sulfuric Acid, Sulfur and Its Compounds. I-3

Abs Jour : Referat Zhur - Khimiya, No 3, 1957, 8770

Author : Skowerski, M.

Inst :

Title : Soviet Practice.

Orig Pub : Przem. chem., 1955, 34, No 10, 556-558.

Abstract : The design and operation of the roasting furnaces of the Voskresensk and Vinnits Chemical Kombinats are described together with production methods, and methods used in up-grading personnel.

Card 1/1

SKOWERSKI, Marian, inz.

Technological progress in the Torun Phosphorous Fertilizer Plant.  
Chemik 15 no.9:330-334 S '62.

KONIECZNA, B.; PIETRZYK, J.; SKOWRON, A.

Effect of separation of the telencephalon from the rest of the brain on regeneration of the tail in tadpole *Xenopus laevis*. *Fol. biol.*, Warsz. 2 no.3-4:215-216 1954.

1. Zakład Biologii AM, zakład Zoologii Doswaidczalnej PAN w Krakowie.  
Kierownik: prof. dr St.Skowron. Zakład Statystyki Matematycznej UMCS w Lublinie. Kierownik: prof. dr M.Olekiewicz.

(REGENERATION,

eff. of separation of telencephalon on tail regen. in  
tadpole *Xenopus laevis*)

(BRAIN,

telencephalon, eff. of separation on regen. of tail in  
tadpole *Xenopus laevis*)

L 62724-65 EWP(k)/EWP(z)/EWP(b)/EWP(t)/EWP(e) JD  
 ACCESSION NR: AP5021466 CZ/0034/64/000/011/0834/0834

AUTHOR: Kos, V. (Engineer, Candidate of sciences); Dvorak, L. (Engineer);  
 Skovron, A. 44,55 44,55 21  
 B

TITLE: Method and apparatus for thermal preparation of powdered substances

SOURCE: Hutnicke listy, no. 11, 1964, 834

TOPIC TAGS: powder metal sintering, metallurgic machinery

Abstract: The article describes Czechoslovak Patent Applica-  
 tion Class 18a, 1/01, PV 1142-63, dated 28 Feb 1963. The  
 invention is suitable for preheating of metallurgical powders  
 before sintering and uses a counter-current gas heating medium.  
 Mechanical arrangement of the apparatus is discussed.

Orig. art. has 1 figure.

ASSOCIATION: none

SUBMITTED: 28Dec63

NO REF SOV: 000

ENCL: 00

OTHER: 000

SUB CODE: MM, IE

JPRS

Card 1/1 110



WIAA, Białystok; (WIAA) nda 6j

Treatment of lesions of the cervix uteri after coagulation with  
a new method of using glass. Wied. Lek. 12 no. 12: 775-777  
1956.

1. 7 Oddział Pol.-Gin. Szpit. Klin. Min. Spraw Wewn. w Warszawie  
(Ginekolog: dr. med. M. Sielinski).

SKOWRON, Eryk

Scientific association for organization and management. Problemy 18  
no.3:177-179 '62.

SKOWRON, E.

It is worth fighting for quality. Przegl techn 36 no.23/24:  
3 6-13 Je '65.

SKO RON, Bryk

Documentation and information as factors of progress. 'rzegl  
basha 86 no.18 7 2 My '65.

HADOWSKI, Wladyslaw; DYWONIAK, Wladyslaw, inz.; SKOWRON, Eugeniusz,  
inz.

New reserves in the manufacture of tools for screw threads by  
means of stamping. Przegl mech 20 no.19/20:627-630 '61.

1. Wytownia Sprzetu Komunikacyjnego, Debica.

SKOWRON, Henryk, inz.

Vocational education and technological progress as the central problem  
of the Association of Polish Mechanical Engineers and Technicians in  
Skarzysko Kamienna. Przegl techn no.52:10 30 D '62.

SKOWRON, Leonard, mgr inz.; FRANCZAK, Kazimierz, inz.

The Polish-made SWS 1 plane in the Bielszowice mine. Wiadom  
gorn 13 no.9:300-304 S '62.

✓  
Action of trypanflavine on cariokinetic cell division. S. SKOWRON AND H. SKOWRON.  
*Bull. intern. acad. polonaise* 1930, B, II, 410-31 (in French). —The toxic action of the dye  
manifests itself strongly not only in the nuclear substance but also in the protoplasm.  
J. WIERZBIANSKI

112



ca

118

Action of dyes, derivatives of acridine, on male sex cells and their production.  
T. PAWLAS AND S. SKOWRON. *Bull. intern. acad. polonaise* 1930, B, 433-7 (in French). --  
Gonacrine injected intravenously into men exerts a toxic action on the spermatozoa.  
In cases of only feeble injections (7-10 cc. of a 2% soln. in 8-10 injections) 70-85% of  
the spermatozoa were dead. Strong injections (34-45 cc. of a 2% soln. in 12-18 days)  
caused death of all spermatozoa, which became yellow and partly agglutinated. Two  
months after the last injection, in one case even after 7 months, the sperm remained  
yellowish, but no spermatozoa were found in it. Corresponding expts. on rabbits  
showed that the toxic action of gonacrine is here much weaker than in men. It is prob-  
able that previous cases of fever in men (vaccination, malaria) render the organism more  
sensitive toward the action of the dye. J. WIERTELAK

11R

CR

Action of gonacrine upon the organism. S. Stowron and F. Pawlas. *Bull. intern. Acad. polonoise* 1931B, II, 465-74 (in French); *Ch. C. A.* 26, 3304. —The toxic action of the dye upon spermatozoa becomes intense as the concn. of gonacrine in human sperm attains the value  $10^{-4}$ . When no new portions of the dye are introduced, its concn. in the sperm diminishes rapidly and simultaneously new living spermatozoa appear. The dye is excreted alike with the feces, the urine and the sweat. The plasma of herbivorous animals has the power to "neutralize" the dye to a higher extent than that of carnivorous animals and of man.

J. Wiertelak

ASH-SLA METALLURGICAL LITERATURE CLASSIFICATION

PROCESSES AND REPORTS WERE

effect of gonacrine on the eggs and embryos of the rabbit. S. Skowron and T. Pawlas. *Bull. intern. acad. polonaise* 1932B, 11, 107-111(in English); cf. preceding abstract.—The eggs of the rabbit, while in the ovary, are very resistant to the action of gonacrine. During the first stages of development, in the oviducts and uterus, the embryos are very sensitive; after the formation of the placenta, however, they are very resistant to the influence of the dye, owing to the selective action of this organ.

J. Wiertelak

ASH-SLA METALLURGICAL LITERATURE CLASSIFICATION

117

Influence of lack and of excess of thyroid hormone in the mother's body on the thyroid of the fetus and the influence of partial removal of the parathyroids on delivery. S. Skowron, Z. Wiciński and S. Zajaczek. *Bull. intern. acad. polon. sci., Classe sci. math. nat.* 1937B, II, 151-67.—Rabbits thyroidectomized during the 12-29 day of pregnancy dropped normal young and were able to bear a subsequent litter of normal young. The thyroid glands of these young were of normal size, but histologically showed signs of decreased activity. Administration of dried thyroid to pregnant rabbits caused a high incidence of abortions and resorptions. Such administration had a checking action on the activity of the mother's thyroid, but apparently stimulated the fetal thyroid. The authors believe that the placenta is permeable to the thyroid hormone. Partial parathyroidectomy led in many cases to tetany in the mother just before and during delivery of the young. The need of the mother for parathyroid hormone increases during pregnancy. E. C.

ASH SLA METALLURGICAL LITERATURE CLASSIFICATION

1ST AND 2ND GROUPS																										3RD AND 4TH GROUPS																									
COMMON ELEMENTS																										COMMON ELEMENTS																									
<p>BC</p> <p>Life period of corpus luteum and influencing factors. S. SZORNYAI and Z. WITKOWSKI (Bull. Acad. Polonaise, 1955, 2, 51-54). The longer lifetime of dogs remains active for 20 days after pregnancy and for not less than 10 days after the uterus is removed during pregnancy. The development of a new corpus luteum due to injection of urine of pregnancy (life about 15 days) has no effect on the life period of one already present.</p> <p>E. M. W.</p>																																																			
<p>ASH-SLA METALLURGICAL LITERATURE CLASSIFICATION</p>																																																			
1ST AND 2ND GROUPS																										3RD AND 4TH GROUPS																									
COMMON ELEMENTS																										COMMON ELEMENTS																									

1ST AND 2ND ORDERS										3RD AND 4TH ORDERS									
PROCESSES AND PROPERTIES INDEX																			
<p>BC</p> <p>Endocrine glands of the testis. I. S. Szwarc (Bull. Acad. Polonaise, 1958, B. II, 129-171).—A detailed macroscopical and histological description of the fetal development and the mature state of testicular accessory glands and spermatogenesis in the testis of the rat (Rattus norvegicus) (in Poland) is in progress. The first part of the work is devoted to the description of the spermatogenic process. The second part, dealing with the sensitivity to both hormones of the accessory glands is: anterior pituitary, posterior pituitary, gonadotropin, androgens, and estrogens. The third part, dealing with the stimulation of the activity of testicular accessory glands at the time of their greatest histological regression so that normal spermatogenesis is formed. Follicle hormone produces degeneration of the Sertoli cells, of the spermatogenic tissue, and of the accessory glands. (Illustr.) A. S.</p>																			
<p>ASB-5.1.1 METALLURGICAL LITERATURE CLASSIFICATION</p>																			
1ST AND 2ND ORDERS										3RD AND 4TH ORDERS									
<p>1ST AND 2ND ORDERS</p> <p>3RD AND 4TH ORDERS</p>																			

**Influence of methylthioauracil on the histological structure of the rabbit hypophysis.** St. Skowron and K. Rapacz (Univ. Cracow, Poland). *Compt. rend. soc. biol.* 141, 1110-11 (1947).—Chronic administration of methylthioauracil to rabbits caused a decrease in the basophilic cells of the hypophysis, with no change in the eosinophilic and chromophobic cells. In rats methylthioauracil caused an increase in the basophilic cells. L. B. Gibson

## A S B - 3 L A METALLURGICAL LITERATURE CLASSIFICATION

CA

111

The effect of nitrogen mustard on the growth and metamorphosis of the tadpoles of *Rana temporaria*. S. Skowron and M. Jordan (Univ. Krakow, Poland). *Bull.*

*Intern. Acad. Polon. Sci., Classe méd.* 1949, 13 17 (in English).—Concn. of methyl bis(2-chlorethyl)amine of  $10^{-4}$  were lethal to small tadpoles while concn. of  $10^{-6}$  produced transient growth inhibition. Larger tadpoles were less sensitive and concn. of  $10^{-4}$  produced no effect after leg development. Old solns. or weaker concn. stimulated growth and metamorphosis and in some instances produced reduplication of hind limbs. Regeneration after amputations was stimulated by weak solns. and inhibited by lethal concn.

Richard P. Riley



CA

1/H

Nitrogen mustard as inhibitor of thyroid activity.  
(Stanislaw Skowron and Maria Jordan-Lime, Krakow,  
Poland). *Bull. intern. acad. pharmac. sci., chimie med.*  
1949. 111-113m. English. Histological changes in the  
thyroid evoked by 4-methyl-2-thiourea are reversed by  
administration of N-mustard. Thyroid glands of animals  
treated with N-mustard, transplanted into animals re-  
ceiving thiourea, showed no subsequent proliferative  
change. It seems probable that N-mustard affects the  
thyroid directly, not by mediation through the hypophysis.  
Richard F. Riley

12  
1951

Biological Chemistry  
II I

Development of eggs fertilized by sperm treated with nitrogen mustard. S. Skowron, M. Jordan, and S. Zajaczek (Krakow Med. Acad., Poland). *Bull. intern. acad. polon. sci., Classe med.* 1950, 31-40 (in English). Brown trout eggs were inseminated by sperm which has been exposed to N mustard, in water soln., for 8 sec. Enzyme systems of the developing embryo were damaged, resulting in irregularities in mitotic division and chromosome behavior.

William M. McCord

SKOLRON, STANISLAJ.

"Co wiemy o dziedzicznosci. (Warszawa) Czytelnik, 1951. 48 p. (Wiedza Powszechna, 848. Dzial Biologiczny) (What we know about heredity. illus., map.)

Vol. 3, no. 6

SO: Monthly List of East European Accessions./Library of Congress, June 1954, Uncl.

SLOWTON, S.

(2)  
 ✓ Regeneration and inhibition of cell mitosis. S. Slowton and  
 M. Roguski (*Folia biol. Cracov.* 1953, 1, 23-29). Experiments  
 were carried out on tadpoles of *Xenopus laevis* by subjecting them  
 for 5 min. to the action of dichloro-diethyl-methylamine and  
 amputating part of their tails after 2 days. It was found that the  
 phases of regeneration processes, which are independent of cell  
 division, e.g. blood clot formation, diminishing of the wound area,  
 and formation of epithelial cells on the wound surface, take a normal  
 course. Immigration of mesenchymal cells into the regenerating  
 organ is not retarded, but regeneration of the axial organs and the  
 development of blood vessels are slow. This indicates that the  
 poison inhibits the mitotic processes in the cells, but has no effect  
 on cell growth and differentiation. Regeneration of these organs  
 finally takes place, however, probably owing to the fact that the  
 changes resulting from the amputation of the tail and from the  
 commencement of the first stages of regeneration partially reactivate  
 the mitotic ability of the poisoned cells. A. STORFER

\* Zakład Biologii Akademii Medycznej w  
 Krakowie. pag. (from dup.)

SKOWRON, S.  
JURAND, A.; MARON, K.; OLKIEWICZ, M.; SKOWRON, S.

Effect of excision of the telencephalon on regeneration rate in the tail in *Xenopus laevis* tadpoles. *Pol. biol.*, Warsz. 2 no.1:3-29 1954.

1. Zakład Biologii AM, Zakład Zoologii Doswiadczałnej PAN w Krakowie.  
Kierownik: prof. dr St. Skowron. Zakład Statystyki Matematycznej  
UMCS w Lublinie. Kierownik: prof. dr M. Olekiewicz.

(~~MES~~ENCEPHALON, physiology,

eff. of exciss. on regen. of *Xenopus laevis* tail)

(~~RE~~GENERATION,

eff. of telencephalon excis. on regen. of *Xenopus laevis* tail)

SKOWRON, S.

MARON, K.; OLEKIEWICZ, M.; SKOWRON, S.

Further studies on the effect of excision of the telencephalon on regeneration. *Fol. biol., Warsz.* 2 no.2:77-85 1954.

1. Zaklad Biologii AM. Zaklad Zoologii Doswiadczalnej PAN w Krakowie. Kierownik: prof. dr S.Skowron. Zaklad Statystyki Matemat. UMCS w Lublinie. Kierownik: prof. dr M.Olekiewicz.

(MESENCEPHALON, physiology,

eff. of excis. on regen. of tail in tadpoles)

(REGENERATION,

eff. of mesencephalon excis. on tail regen. in tadpoles)

MARON, K; ROGUSKI, H; SKOWRON, S.

Effect of decerebration and on resection of the spinal cord on regeneration in *Xenopus laevis* embryos and tadpoles . Pol.biol. Warsz. 3 no.1:3-9 1955.

1. Zakład Zoologii Doświadczalnej Polskiej Akademii nauk, Zakład biologii A.M. Krakow; Kierownik: prof. Dr. St. Skowron

(BRAIN, physiology,

eff. of decerebration on regen. in *Xenopus laevis* embryo & tadpole)

(SPINAL CORD, physiology,

eff. of resect. on regen. in *Xenopus laevis* embryo & tadpole)

(REGENERATION, physiology,

eff. of decerebration & spinal cord resect. in *Xenopus laevis* embryo & tadpole)

SKOWRON, S.; MICHAŁDZINSKI, W.

Morphology in modern biology. Pol. morph., Warz. 6 no.1:  
25-36 1955.

(MORPHOLOGY,  
in general biol.)



Skowron, S.

✓ 5132. Development of oocytes in Graafian follicles of the golden hamster, *Mesocricetus auratus*. S. Skowron *Folia biol.*, Warsaw, 1956, 4, 23-34 (Zaklad Biologii Akademii Medycznej Krakow, Poland).—Multiovular follicles are frequent in immature animals, but on maturity connective-tissue septa transform them into monovular ones. Binuclear oocytes may be found in mature females. In animals killed in heat, during or after ovulation, many oocytes in atretic follicles show changes which are regarded as indicating attempt at parthenogenetic development. The formation of the metaphase of the first reduction division, the extrusion of the first polar body and the two-cell stage are closely similar to analogous processes in fertilised eggs. Formation of the second polar body was not observed, and the parthenogenetic development did not reach beyond the 2-cell stage. It is suggested that the developmental processes are correlated with the liberation of oestrogens from the degenerating granulosa in atretic follicles. (Polish, Eng. summary) B. Towers.

Mid

1

SKOWRON, S.

"Regenerative Capacity of Tadpoles Inhibited in Growth and Development," by S. Skowron, M. Jordan and H. Roguski, published from the Department of Experimental Zoology Polish Academy of Sciences, Krakow, Poland, 27 May 56. Published in Nature, Vol. 178, No. 4533, London, 15 Sep 56.

SKOWRON, S.

FOLIA BIOLOGICA. (Polska Akademia Nauk. Zaklad Zoologii Doswiadczonej)  
Warszawa. (Journal on morphogenesis, genetics, and evolution issued by the  
Laboratory of Experimental Zoology, Polish Academy of Sciences; with English,  
French, and Russian summaries.)

The regeneration in limbs of the postmetamorphic Xenopus laevis tadpoles.  
p. 53.

Vol. 5, No.  $\frac{1}{2}$ , 1957

Monthly List of East European Accessions (EEAI), LC, Vol. 8, No. 3, March 1959  
Unclass.

POLAND / General Biology. Individual Development.  
Regeneration.

B

Abs Jour : Ref Zhur - Biologiya, No 4, 1959, No. 14385

Author : Skowron, Stanislaw; Komala, Zofia

Inst : Not given

Title : Regeneration of Extremities in *Xenopus laevis*  
after Metamorphosis

Orig Pub : Folia Biol. (Polska), 1957, 6, No 1-2, 53-72

Abstract : The regeneration of the rear extremities was studied in histologic sections. The extremities regenerated, but their development proceeded atypically. An accumulation of connective tissue cells of pseudoblastoma was observed on the wound surface which did not undergo further differentiation. The regenerate (R) emerged as a result of the stump

Card 1/3

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POLAND / General Biology. Individual Development.  
Regeneration.

B

Abs Jour : Ref Zhur - Biologiya, No 4, 1959, No. 14385

tissues' growth. R presented thin outgrowths usually ramified at the end, along the organ axis cartilage, beyond which it was not segmented into individual elements. Regeneration was absent in denervated extremities. In case of regeneration, the nervous trunk was included in the cartilage, it ramified there and penetrated into the surrounding tissues. Amputation of R was not accompanied by the formation of pseudoblastoma. Only stump tissues grew. Regeneration of R occurred even when the extremity was denervated. When tissues were treated in order to determine the existence of nervous fibers (according to Bodian), it was observed that they were absent

Card 2/3

SKOWRON, Stanislaw

Problem of regeneration. Postepy hig. med. dosw. 11 no.3:307-330 1957.

(REGENERATION,  
review (Pol))

SKOWRON, ST.

SKOVRON, St. [Skowron, St.].

Works of Polish scientists on the regeneration of organs. Usp. sovr.  
biol. 44 no.3:379-383 N-D '57. (MIRA 11:1)  
(REGENERATION (BIOLOGY))

SYGWIET, S.: ~~BOGUSKI, H.~~

FOLIA BIOLOGICA. (Polska Akademia Nauk. Zaklad Zoologii Doswiadczalnej)  
Warszawa. (Journal on morphogenesis, genetics, and evolution issued by the  
Laboratory of Experimental Zoology. Polish Academy of Sciences; with English,  
French, and Russian summaries.)

Regeneration from implanted dissociated cells. I. Regenerative potentialities  
of limb and tail cells. In English. p. 163.

Vol. 6, No. 3, 1958

Monthly List of East European Acquisitions (EEAI), LC, Vol. 8, No. 3, March 1959  
Unclass.



SKOWRON, S.; ~~JORDAN, M.~~

FOLIA BIOLOGICA. (Polska Akademia Nauk. Zaklad Zoologii Doswiadczalnej)  
Warszawa. (Journal on morphogenesis, genetics, and evolution issued by the  
Laboratory of Experimental Zoology, Polish Academy of Sciences; with English,  
French, and Russian summaries.)

Ontogenetic changes in the natural resistance of the golden hamster to  
colchicine. p. 191.

Vol. 6, No. 3, 1958

Monthly List of East European Accessions (EEAI), LC, Vol. 8, No. 3, March 1959  
Unclass.

SKOWRON, S.

SCIENCE

Periodical: KOSMOS. SERIA A: BIOLOGIA. Vol. 7, no. 3, 1958.

SKOWRON, S. The properties of the regenerative blastema and its age;  
remarks on O. E. Schotte and S. R. Hilfer's article. p. 325.

Monthly List of East European Acessions (EEAI), LC, Vol. 8, No. 3, May 1959  
Unclass.

SKOWRON, S.; WALKNOWSKA, Janina

The fate of regeneration blastemas implanted into the body cavity.  
Folia biol 7 no.2:113-127 '59. (EBAI 9:11)

1. Department of experimental Zoology, Polish Academy of Sciences  
and Department of Biology and Embryology, Medical Academy, Krakow.  
Director: Prof. Dr. S.Skowron.  
(REGENERATION (BIOLOGY))  
(TRANSPLANTATION OF ORGANS, TISSUES, ETC.)

SKOWRON, S.

Scientific activities of the Department of Experimental Zoology of the Polish Academy of Sciences and of the Department of Biology of the Academy of Medicine of Krakow. p. 57

KOSMOS, SERIA A: BIOLOGIA (Polskie Towarzystwo Praczrodnikow im. Kopernika) Warszawa ✓  
Vol. 8, No. 1. 1959 *POLAND*

Monthly List of East European Accessions (EEAI) IC, Vol 8, no. 7, July 1959.

Uncl.

SKOWRON, S.; WALKNOWSKA, Janina

Developmental capacity changes of blastemal cells. Folia biol 8 no.1/2:  
33-40 '60. (EEAI 10:4)

1. Department of Experimental Zoology, Polish Academy of Sciences,  
Department of Biology and Embryology, Medical Academy, Krakow; head:  
Prof. Dr. S.Skowron.  
(AXOLOTLIS)  
(CELLS)

22

Figure 1: A schematic diagram of a single neuron. The diagram shows a cell body (soma) with a nucleus, surrounded by a cell membrane. A dendrite is shown extending from the cell body, and an axon is shown extending from the cell body. The axon is covered by a myelin sheath. The diagram is labeled with "Dendrite", "Soma", "Nucleus", "Axon", and "Myelin sheath".

SKOWRON, S.

Research report of the Department of Experimental Zoology and of the  
Department of Biology and Embryology. Folia biol. 8 no.6:396-405 '62.

1. Polish Academy of Sciences and Medical Academy, Cracow.  
(REGENERATION) (TRANSPLANTATION) (IMMUNOLOGY) (GENETICS)

SKOWRON, Stanislaw

Biology and medicine. Nauka polska 10 no.3:1-8 My-Je '62.

1. Członek korespondent Polskiej Akademii Nauk, Warszawa.

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SKOWRON, Stanislaw

Teodor Marchlewski, 1899-1962. Nauka polska 10 no.3:184-186  
My-Je '62.

1. Członek korespondent Polskiej Akademii Nauk, Warszawa.

MICHAJLOW, Włodzimierz; STEFANSKI, Witold; SKOWRON, Stanisław

Professor Teodor Marchlewski, July 12, 1899 - January 27, 1962.  
Kosmos biol 11 no.3:259-264 '62.

1. Ministerstwo Szkolnictwa Wzszego i Ministerstwo Rolnictwa,  
Warszawa (for Michajlow). 2. Prezydium Polskiej Akademii Nauk,  
Polska Akademia Nauk, Krakow i Wydział Nauk Biologicznych PAN,  
Krakow (for Stefanski).

SKOWRON, Stanislaw

The Institute of Experimental Zoology of the Polish Academy  
of Sciences. Kosmos biol 11 no.3:363-368 '62.

SKOWRON, Stanislaw (Krakow)

Charles Darwin and Edward Blyth. Wszechswiat no.1:5-8 Ja '63.

SKOWRON, Stanislaw

Research in the field of regeneration in the Experimental  
Zoology Institute of the Polish Academy of Sciences and  
the Biology Institute of the School of Medicine in Krakow.  
Zesz probl nauki pol no.18:27-36 pt.2 '59.

\*

SKOWRON, Stanislaw, prof. dr

Biology and medicine. Review Pol Academy 7 no.3;19-26 J1-S '62.

1. Chair of biology and embryology, School of Medicine, Krakow, Head of the Research Center of Experimental Zoology, Polish Academy of Sciences, Krakow, Corresponding Member of the Polish Academy of Sciences.

SKOWRON, S.

"Mankind evolving; the evolution of the human species" by  
Theodosius Dobzhansky. Reviewed by S. Skowron. Folia biol  
11 no. 1:156 '63.

SKOWRON, Stanislaw (Krakow)

From the history of views on heredity. Wszechwiat no.3:57-62 Mr '63.



SKOWRON, Stanislaw

Contemporary Darwinism and medicine. Nauka polska 13 no.1:1-10  
Ja-F '65.

1. Corresponding Member of the Polish Academy of Sciences.

SKOWRON, Stanislaw

Department of Biology and Embryology of the Jagiellonian  
University School of Medicine. Pol. tyg. lek. 20 no.19:  
699 10 My '65.

GALANTY, Adam, mgr inz.; MILOS, Stefan, mgr inz.; SKOWRONEK, Stanislaw,  
mgr inz.

Aluminum slab casting. Pt. 2. Rudy i metale 9 no.10:546-  
550 O.'64.

SKOWRON-CENDRZAK, A.

SKOWRON-CENDRZAK, A. Sexual maturation and reproduction in the nutria Myocastor coypus. I. The oestrous cycle. II. The ovary. III. The testicle. IV. The pituitary gland. p. 119.

Vol. 4, no. 2, 1956  
FOLIA BIOLOGICA  
SCIENCE  
Poland

So: East European Accession, Vol. 6, No. 5, May 1957

SKOWRON - CENDRZAK, Anna

POLAND/Human and Animal Physiology (Normal and Pathological).  
Blood. General Problems.

T-3

Abs Jour : Ref Zhur - Biol., No 16, 1958, 74598

Author : Kelus, Andrzej; Konieczna-Marczynska, Barbara; Skowron-  
Cendrzak, Anna

Inst : -

Title : Hematological Investigations in White Mice During Parabiosis  
and after Splenectomy.

Orig Pub : Folia biol. (Polska), 1957, 5, No 3, 99-115.

Abstract : Tests were conducted on 90 pairs of parabiotically joined  
mice (♂ with ♀) from various litters which survived  
in parabiosis (P) no less than 10 days. The spleen (S)  
of the right parabiont was removed before P. Death in  
the first weeks of P reached 50%. Duration of life in P  
on the average equaled 2 weeks and in individual cases  
exceeded 5 months. Disharmony set in more often on the  
10-15th day. Anemia appeared usually only in one partner,

Card 1/2

SKOTRON-CENDRZAK, A.; KONIECZNA-MARCZYNSKA, B.; GROMCZAKIEWICZ, A.

FOLIA BIOLOGICA. (Polska Akademia Nauk. Zaklad Zoologii Doswiadczonej)  
Warszawa. (Journal on Morphogenesis, genetics, and evolution issued by the  
Laboratory of Experimental Zoology, Polish Academy of Sciences; with English,  
French, and Russian summaries.)

Parabiosis in closely related kinds of mice. p. 117.

Vol. 5, No. 3, 1957

Monthly List of East European Accessions (EEAI), LC, Vol. 8, No. 3, March 1959  
Unclass.

SKOWRON-CENDRZAK, A.; ~~KONIECZNA-MAROSYNSKA, B.~~

FOLIA BIOLOGICA. (Polska Akademia Nauk. Zaklad Zoologii Doswiadczalnej)  
Warszawa. (Journal on morphogenesis, genetics, and evolution issued by the  
Laboratory of Experimental Zoology, Polish Academy of Sciences; with English,  
French, and Russian summaries.)

The influence of parabiosis and splenectomy on changes in the leucocyte count  
in mice. p. 175.

Vol. 6, No. 3, 1958

Monthly List of East European Acessions (EEAI), LC, Vol. 8, No. 3, March 1959  
Unclass.

SKOIRON-CENDRZAK, A.; ~~SPISAK-PLONKA, I.~~

FOLIA BIOLOGICA. (Polska Akademia Nauk. Zaklad Zoologii Doswiadczalnej)  
Warszawa. (Journal on morphogenesis, genetics, and evolution issued by the  
Laboratory of Experimental Zoology, Polish Academy of Sciences; with English,  
French, and Russian summaries.)

Skin homografts in the golden hamster, In English. p. 187.

Vol. 6, No. 3, 1958

Monthly List of East European Acessions (EEAI), LC, Vol. 8, No. 3, March 1959  
Unclass.



SKOWRON-CENDRZAK, A.

SCIENCE

Periodical: KOSMOS. SERIA A: BIOLOGIA. Vol. 7, no. 3, 1958.

SKOWRON-CENDRZAK, A. The humoral factor in the spleen; remarks on  
F. Ellinger's article. p. 324.

Monthly List of East European Acessions (EEAI), IC, Vol. 8, No. 3, May 1959  
Unclass.

KONIECZNA-MARCZYNSKA, Barbara; SKOWRON-CENDRZAK, Anna; with the technical assistance of ALBER, Krystyna

The influence of splenectomy on hemolytic anemia in parabiotic white mice. Folia biol 7 no.2:89-94 '59. (EEAI 9:11)

1. Department of Experimental Zoology, Polish Academy of Sciences, Krakow and Department of Biology and Embryology, Medical Academy, Krakow, Director: Prof. Dr.S.Skowron.

(SPLEEN)

(HEMOLYSIS AND HEMOLYSINS)

(ANEMIA)

(PARABIOSIS)

SKOWRON-CENDRZAK, Anna; KONIECZNA-MARCZYNSKA, Barbara

Skin homotransplants in parabiosis in white mice. Folia biol 7 no.2:  
95-97 '59. (EEAI 9:11)

1. Department of Experimental Zoology, Polish Academy of Sciences,  
Krakow and Department of Biology and Embryology, Medical Academy,  
Krakow. Director: Prof. Dr. S.Skowron.  
(SKIN GRAFTING)  
(PARABIOSIS)

SKOWRON-CENDRZAK, Anna; KONIECZNA-MARCZYNSKA, Barbara

Skin homografts in parabiotic inbred C<sub>57</sub>BL mice. Folia biol 8 no.1/2:  
71-76 '60. (EEAI 10:4)

1. Department of Experimental Zoology, Polish Academy of Sciences,  
Krakow and Department of Biology and Embryology, Medical Academy,  
Krakow; head: Prof. Dr. S.Skowron.  
(PARABIOSIS) (SKIN)

KONIECZNA-MARCZYNSKA, Barbara; SKOWRON-CENDRZAK, Anna

Hematological and serological investigations in heteroparasitosis.  
Folia biol 8 no.1/2:77-81 '60. (EEAI 10:4)  
(PARABIOSIS)  
(BLOOD)

KONIECZNA-MARCZYNSKA, Barbara; PLONKA, Irena; SKOWRON-CENDRZAK, Anna;  
ZABINSKI, J.

Hematological and serological investigations in heteroparabiosis after  
preimmunisation of one of the parabionts. Folia biol 8 no.1/2:83-87  
'60. (EEAI 10:4)

1. Department of Experimental Zoology, Polish Academy of Sciences,  
Krakow and Department of Biology and Embryology, Medical Academy,  
Krakow; head: Prof. Dr.S.Skowron.  
(PARABIOSIS)  
(BLOOD)

SKOWRON-CENDRZAK, Anna; ZABINSKI, J.

Further investigations on paraboitic intoxication in splenectomized  
mice. Folia biol 8 no.3:157-165 '60. (EBAI 10:6)

1. Department of Experimental Zoology, Polish Academy of Sciences,  
Krakow. Head: S. Skowron, Ph.D.  
(PARABIOSIS) (SPLENECTOMY)

ROWIECZNA-MARCZYŃSKA, Barbara; SKOWRON-CEŃDEZAK, Anna; ZABINSKI, J.

Further investigations on parabiologic intoxication in white mice. Folia biologica 9 no.2:131-134 '61.

1. Department of Experimental Zoology, Polish Academy of Sciences, Krakow and Department of Biology and Embriology, Medical Academy, Krakow. Head: S. Skowron, Ph. D.

\*



SKOWRON-CENDRZAK, Anna

Immunogenetic basis of tissue transplantation. Folia biol 10  
no.3/4:326 '62.

1. Department of Experimental Zoology, Polish Academy of Sciences,  
Krakow.

SKOWRON-CEMRZAK, Anna

Studies on transplantation resistance and parabiotic neutralization in the C57Bl strain of mice. Postepy hig. med. dosw. 16 no 2:211-246 '62.

1. Z Zakladu Zoologii Doswiadczalnej PAN w Krakowie Kierownik: prof. dr S. Skowron.  
(TRANSPLANTATION exper) (PARABIOSIS)

SKOWBOWSKI 1965

Intoxication caused by sex incompatibility and its  
modification by amethopterin in C57BL mice. Folia biol. (Krakow)  
no.2:109-119 '65.

1. Department of Experimental Zoology, Polish Academy of Sciences,  
Krakow.

DOBOSZ, Zygmunt, mgr inz.; SKOWRONEK, Jerzy, mgr inz.

Forming metals by explosions. Rudy i metale 8 no. 11:415-418 N '63.

P/036/62/000/001/002/002  
D001/D101

11. 1160  
12. 8310  
AUTHOR:

Skowronek, Maria, Master

TITLE:

Corrosion of welded aluminum alloys

PERIODICAL:

Przegląd spawalnictwa, no. 1, 1962, 16-19

TEXT: Research on anticorrosive properties of pure aluminum and aluminum alloy welds was carried out at the Zakład Fizyko-Chemiczny Instytutu Spawalnictwa (Welding Institute, Physico-Chemical Department), with the purpose of establishing the circumstances which favor weld corrosion. Weak solutions of NaCl, H<sub>2</sub>O<sub>2</sub>, organic and inorganic acids, sea water and gases like CO<sub>2</sub> and SO<sub>2</sub> were used as corroding media. The most frequent type of corrosion of aluminum and its alloys is a uniform dissolution of entire surfaces exposed to corrosive fluids, further, electromechanical and intercrystalline corrosion. The metals investigated were pure metallurgical aluminum 99.7% (Polish Standard PN-56/H-82160) and aluminum alloys PA1, PA2, PA3 and PA4 (Polish Standard PN-59/H-88026) welded by the gas method, by electric arc and coated electrodes and by the TIG and MIG methods, respectively. All above-mentioned welds were highly resistant to corrosion with the best results achieved

Card 1/2



PTAK, Wladyslaw, prof. dr inz.; GALANTY, Adam, mgr inz.; NOWAKOWSKI,  
Jerzy, mgr inz.; SKOWRONEK, Stanislaw, mgr inz.

Experiments in chlorinating primary aluminum with hexa-  
chloroethane. Rudy i metale 9 no.6:283-290 Je '64.

SKOMRONKOWA, H.

SKOMRONKOWA, .. Fighting injurious water plants with herbicides. p. 13.  
Vol. 8, no. 8, Aug. 1956. ROSPODARKA TYPIA. Warszawa, Poland.

SOURCE: East European Accessions List (EEAL) Vol. 6, No. 4--April 1957



SKOWRONKA, A.

*Med Chem*  
 Phosphorus-organic compounds derived from sulphur and selenium.  
 III. Dialkyl ethylthiopyrophosphonates (OR)EtPS-O-POEt(OR).  
 Action of hydrogen sulphide on alkyl ethylphosphonochloridates  
 (OR)EtPOCl. J. Michalski and A. Skowronka (Roczn. Chem.,  
 1956, 30, 799-812).—A no. of phosphonochloridates, (OR)EtPOCl,  
 were prepared by chlorinating (OR)EtP(O)OH with Cl<sub>2</sub> in CCl<sub>4</sub> or  
 with SO<sub>2</sub>Cl<sub>2</sub> in C<sub>6</sub>H<sub>6</sub>, both at 0–5°, with exclusion of O<sub>2</sub> (R=C<sub>1–8</sub>  
 alkyl). These substances react with H<sub>2</sub>S in pyridine or morpholine  
 solution at 5–10° to give the corresponding ethylthiopyrophos-  
 phonates. The same products are obtained by the reaction  
 (OR)EtPS-OR + (OR)EtPOCl → (OR)EtPS-O-POEt(OR). These  
 products inhibit the action of rat brain choline-esterase. R. Truscott.

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 ✓ Reactions of thiono esters of phosphorus with halogens and sulfonyl chloride. J. Michalski and Alexandra Skowronska (Inst. Technol., Lodz, Poland). *Chem. & Ind. (London)* 1958, 1109-1200; cf. *C.A.* 52, 9945a. — Esters of thio acids of P contg. the  $>P(S)OR$  (I) group (R = alkyl) react readily with Cl, Br, or  $SO_2Cl_2$  to give phosphinyl-sulfonyl halides,  $>P(O)SX$ , where X = Cl. Formation of a mesomeric complex probably is involved as an intermediate. These reactions are useful in prepg. the I group and also as a test to distinguish between thiono esters (I) and thiole esters,  $>P(O)SR$ , which are known to react with Cl to give  $RSCl$  and  $>P(O)Cl$  (Stirling, *C.A.* 52, 14550g). Addn. of 1 molar equiv. Cl in  $CCl_4$  to  $(EtO)_2P(S)OEt$  (II), with the temp. kept at  $-5^\circ$ , gave 50%  $(EtO)_2P(O)SCl$ , b.p. 49-50°,  $n_D^{20}$  1.4672. Similarly was obtained 70%  $(BuO)_2P(O)SCl$ , b.p. 73-4°,  $n_D^{20}$  1.4665 ( $SO_2Cl_2$  in  $C_6H_6$  at  $0^\circ$ ). II and Br in  $C_6H_6$  gave  $(EtO)_2P(O)SBr$ , unstable, which with  $CH_3CH_3$  gave  $(EtO)_2P(O)SCH_2CH_2Br$ , b.p. 86°,  $n_D^{20}$  1.4900. PhOP- gave  $(S)(OEt)_2$  with  $SO_2Cl_2$  gave 50%  $EtO(PhO)P(O)SCl$ , b.p. 97-8°,  $n_D^{20}$  1.5335, which with  $CH_3CH_3$  gave 75%  $P(O)(OEt)(OPh)SCH_2CH_2Cl$ , b.p. 124-5°,  $n_D^{20}$  1.5340.  
 Rip G. Ripe

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MICHALSKI, Jan; SKOWRONSKA, Aleksandra

Organophosphorus compounds of sulfur and selenium. XVI. Dialkyl- and alkylarylthiopyrophosphinates  $RR'P(S)OP(O)RR'$ . Action of hydrogen sulfide on dialkyl- and alkylarylphosphinic chlorides. *Rocz chemii* 34 no.5:1381-1385 '60. (EEAI 10:9)

1. Institute of Organic Synthesis, Polish Academy of Science, Lodz, and Department of Organic Chemistry, Institute of Technology, Lodz.

(Sulfur) (Selenium) (Hydrogen sulfide)  
(Phosphorus chlorides) (Organic compounds)  
(Alkyl groups) (Aryl groups) (Phosphorus)  
(Pyrophosphoric acid)

MICHALSKI, J.; MIKOLAJCZYK, M.; MLOTKOWSKA, B.; SKOWRONSKA, A.

Formation of tetraalkylthionopyrophosphates through isomerization of their thiol-isomers. *Bul chim PAN* 11 no.12:695-697 '63.

1. Department of Organic Chemistry, Technical University, Lodz and Institute of Organic Synthesis, Polish Academy of Sciences. Presented by J. Michalski.

MICHALSKI, Jan; PLISZKA-KRAWIECKA, Bozena; SKOWRONSKA, Aleksandra

Organophosphorus derivatives of sulfur and selenium. Pt.26.  
Rocz chemii 37 no.11:1479-1487 '63.

1. Institute of Organic Synthesis, Polish Academy of Sciences, Lodz.

SKOWRONSKA, Barbara (Warszawa)

Direct and indirect influence of lateral stimulants upon the reaction time. Przegl psychol no.5:83-96 '62.

SKOWROWSKA, I

"Cancer of the uterus", p. 2, (ZDROWIE, Vol. 5, No. 8, 1953, Warszawa, Poland)

SO: Monthly List of European Accessions, L.C., Vol. 3, No. 4, April, 1954

1. THE REMARKS, 1974

Five-year results and analysis of failures in radiotherapy of cervical cancer grade I according to data of the Tashkent Regional Oncological Center during the period of 1953-1957. November 21 no. 62283-286 Ag-5 144

1. z Wojewódzkiego Zarządu Kształtowania w Poznaniu (dyrektor:  
dr. med. J. Skowronski).



SKOWRONSKI, Stefan; SKOWRONSKA, Irena; GLUSZAK, Barbara; SKAŁKNER, Grazyna.

Results of the treatment of cervical cancer according to the results of  
the regional oncological center in Poznan in 1963-1964. Nowotwory  
14, no. 4: 397-399 O-D. '64

1. Z Wojewedzkiego Ośrodka Onkologicznego w Poznaniu (Dyrektor:  
dr. med. S. Skowronski).

570.111.17.17A Dec 10 Vol 11/11 Obst. & Gyn. Nov 58

1938. THE AETIOLOGICAL RELATION BETWEEN CANCER OF THE UTERINE CERVIX AND SYPHILIS - *Badania nad związkiem etiologicznym raka szyjki macicy z kile* - Skowrońska L. and Skowroński S. *Wpływ kiego Ośrodka Onkol.*, Poznań - NOWOTWORY 1957, 7/1-2 (21-125) Tables 3  
Out of 553 women with cancer of the cervix, 19 (3.4%) had positive serological reactions; in 545 patients with other malignant tumours this number was 6 (1.1%); in cases of benign tumours (245) it was 1 (0.4%). Out of 103 women who had contracted a syphilitic infection 6-10 yr. previously there were 2 (1.9%) with cervical cancer; this is considered a high figure as compared with the overall finding of cervical cancer (0.1 - 0.2%). (A statistical elaboration of the material was not performed. Abstr.)

Albert - Wrocław (V, 10, 13, 16)

EXCERPTA MEDICA Sec 16 Vol 7/11 Cancer November 59

**\*4837. Spraying with antibiotics during X-ray therapy in cancer of the larynx** Zastosowanie aerosolu antybiotyków w leczeniu promieniami raka krtani.

SKOWRONSKA I. Wojewódzkiego Ośrodka Onkol., Poznan *Nowotwory* 1959, 9/2

(133-143) Tables 2 Illus. 2

Aerosols of penicillin and streptomycin were administered to 77 persons with laryngeal carcinoma during X-ray therapy; a control group of 47 patients received antibiotics intramuscularly. Both groups were comparable as to the stage of the tumour and the irradiation treatment. All patients from the first group received antibiotic aerosols, whereas in the control group antibiotics were used when inflammatory complications were present, no antibiotics being administered in persons with normal post-irradiation reactions. The percentage of slight and moderately heavy complications in patients who had received aerosols was 13.3%, whereas in the control group it amounted to 44.7%. No appreciable local complications were found. Moreover, patients from the first group showed better tolerance to X-ray therapy and a lower incidence of late complications. The use of penicillin in the form of aerosols means a reduction of its consumption by 75%. The respective data about streptomycin cannot be given in view of the scanty material.

Albert - Wroclaw (XVI, 11, 14)

SKOWRONSKA, Irena; MAZUROWA, Aleksandra

Observations on the effect of x-rays on the heart. Nowotwory 11  
no.3/4:365-376 '61.

1. Z Wojewodzkiego Ośrodka Onkologicznego w Poznaniu Dyrektor: dr  
med S.Skowronski; i z I Kliniki Chorob Wewnętrznych AM w Poznaniu  
Kierownik: prof. dr med. S.Kwasniewski.  
(HEART radiation eff) (RADIATION INJURY exper)

SKOWRONSKA, Irena; SKOWRONSKI, Stefan; PATER, Aniela; WOZNA, Hanna

Evaluation of the clinical use of endo:an in malignant tumors.  
Nowotwory 13 no.3:267-274 J1-S'63.

1. Z Wojewodzkiego Ośrodka Onkologicznego w Poznaniu;dyrek-  
tor: dr. med. S.Skowronski.

\*

1944-1945: 100,000,000; 1946, 100,000,000

radiation, the endorectal therapy using the static and rotational-  
convergence method of recurrent parathyroid tumors verified after  
radiotherapy of uterine cancer. Nov. 20, 1964 1969 Jan-Mar '64.

convergence instead of recurrent papilloma verified after  
radiotherapy of uterine cervix. Nov. 1963, 14.06.1969 Jan-Mar '64.

convergence related to recurrent part of the series. Nov. 1961, 14 pp. 1-17-69 J4-MR '64.

1. Wydział Biologii i Geologii Uniwersytetu Warszawskiego (dyrektor: dr hab. J. Nowinski).

SKOWRONSKA, Maria; LAPPA, Ryszard

Contribution to the method of drawing electromechanical filters.  
Przegl elektroniki 2 no.5/6:370-380 '61.

1. Katedra Teletransmisji Przewodowej Politechniki Warszawskiej  
i Instytut Tele- i Radiotechniczny.

SKOWRONSKA, B.

**Synthesis of thiazole derivatives** Barbara Skowronska (Jagielonian Univ., Kraków, Poland). *Roczniki Chem.* 23, 313-17 (1949) (French summary). -- 2-C<sub>6</sub>H<sub>4</sub>COCH<sub>2</sub>Br was condensed with thiourea by fusion on a water bath, the fusion mass dissolved in EtOH, and the alc. soln. treated with NaOH, giving 2-amino-4-(2-naphthyl)thiazole (I), colorless needles from C<sub>6</sub>H<sub>6</sub>, m. 163-4°, easily sol. in Et<sub>2</sub>O, C<sub>6</sub>H<sub>6</sub>, and EtOH, insol. in water. The following salts of I were prepd.: HCl, colorless needles from dil. EtOH, m. 235-6°; HBr, colorless needles, m. 271° (decomp.); sulfate, colorless plates, m. 217-18° (decomp.); purate, yellow needles from dil. EtOH, m. 235-6°. At decr. of I, colorless needles, m. 230-7°. I with Bell gave the corresponding Schiff base, 2-benzylidenamino-4-(2-naphthyl)thiazole (II), m. 260-1°. I couples with diazo compds., but the coupling is abnormal in that it occurs in position 5, instead of 2, as would be expected; the amino group in position 5 is eliminated by the diazo group. Coupling I with diazotized sulfanilic acid gave 4-(2-naphthyl)-2-(p-sulfophenyl)thiazole (III), m. 262-3° (decomp.) (from EtOH), insol. in hydrocarbons, Me<sub>2</sub>CO, CH<sub>2</sub>Cl<sub>2</sub>, very difficultly sol. in H<sub>2</sub>O and EtOH. Coupled with diazotized PhNH<sub>2</sub>, I gives 4-(2-naphthyl)-2-(phenylazo)thiazole (IV), orange plates from dil. EtOH, m. 190° (decomp.), difficultly sol. in water, stable to dil. acids and alkalis. I with Me<sub>2</sub>SO, forms an unstable acidn. compd., m. 180-2°; water, acids, or alkalis cause decomp. of this compd. to I. II with p-AcNH<sub>2</sub>CH<sub>2</sub>SO<sub>2</sub>Cl gives 2-(N<sup>4</sup>-acetylsulfamido)-4-(2-naphthyl)thiazole (V), colorless prisms from dil. EtOH, m. 217°, insol. in C<sub>6</sub>H<sub>6</sub> and ligroline. Edward A. Ackermann



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100																									
1ST AND 2ND DEGREE																									
<p>SKOWRONSKA, B.</p> <p>BC</p> <p>Compounds of the thiazole series. B. Skowronska (<i>Rec. Chem.</i>, 1950, 25, 313-317).—Thiazole derivatives are synthesized from aryl bromomethyl ketones and thioamides.</p> <p>2-Naphthyl bromomethyl ketone and thioamides at 100° yield 2-amino-4-naphthyl-2'-thiazole, <math>C_{16}H_{11}N_2S</math>, m.p. 183-184° (hydrochloride, m.p. 236-238°; picrate, m.p. 236-238°; sulphate, m.p. 217-218° (decomp.); di derivative m.p. 236-238°; dimethanesulphate, <math>C_{16}H_{11}N_2S_2SO_4</math>, m.p. 180-182°), which with <math>PbCHO</math> gives 2-benzylidenamino-, <math>C_{16}H_{11}N_2S</math>, m.p. 280-281°, with <math>p-NHAc-C_6H_4-COCl</math> affords 2-(N'-acetylphenylamino)-, <math>C_{22}H_{17}O_2N_2S</math>, m.p. 247°, with diacetylphenyl acid gives 2-p-aminobenzamino-, <math>C_{17}H_{13}O_2N_2S</math>, m.p. 262-263° (decomp.), and with <math>(CH_3)_2SO</math>, yields 2-benzamino-4-naphthyl-2'-thiazole, <math>C_{16}H_{11}N_2S</math>, m.p. 190° (decomp.). R. TRUSCOR.</p>																									
<p>ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION</p>																									
<p>1ST AND 2ND DEGREE</p>																									

Reactions of aromatic amines with cyanoguanidine. Formation of aryl derivatives of amidobourea and their transformation into carbanilides. T. Urbas-Li, B. Skowronska-Serasingwa, H. Dabrowska, and L. Jakowski (Inst. Technol., Warsaw). *Bull. acad. polon. sci., Classe III*, 1, 74-8 (1953) (in English).— $p$ -O<sub>2</sub>NC<sub>6</sub>H<sub>4</sub>NH<sub>2</sub> (I) boiled with N<sub>2</sub>C=NHCONH<sub>2</sub> (II) in 12% HCl yields  $p$ -O<sub>2</sub>NC<sub>6</sub>H<sub>4</sub>NHC(=NH)NHCONH<sub>2</sub> (III) (II). When I and II are boiled with 22% HCl,  $p$ -O<sub>2</sub>NC<sub>6</sub>H<sub>4</sub>NHC(=NH)NHCONH<sub>2</sub> (IV), m. 231-2°, is formed. III was converted to IV by boiling in 22% HCl.  $p$ -RC<sub>6</sub>H<sub>4</sub>NHC(=NH)NHCONH<sub>2</sub> (V), when R = H (VI), m. 160-177°; R = OH (VII), m. p. of HCl-salt, about 250°; R = COOH (VIII), m. 198-200°. Boiling with aniline cleaves IV, V, and VI, to the corresponding  $p$ -RC<sub>6</sub>H<sub>4</sub>NHC(=NH)NHCONH<sub>2</sub> (IX) and NH<sub>2</sub>C(=NH)NHCONH<sub>2</sub> (X). VII is converted to carbanilide. IV shows strong bacteriostatic action against saprophytic microorganisms. Charlotte S. Russell

Alt

SKOWLONSKA-SERAFINOWA, B.

SKOWLONSKA-SERAFINOWA, B. BAGDASARIAN, G.

"Chemistry and Biochemistry of Cyclic Fatty Acids." Pts. 3. p. 123 (Wiadomosci Chemiczne. Vol. 7, no. 3, Mar. 1953 Wroclaw.)

Vol. 3, no. 6

SO: Monthly List of East European Accessions./Library of Congress, June 1954, Uncl.

LEONCZAK-SERAFINOWA, BARBARA

Poland

CA: 47:12524

Higher Polytech. School, Warsaw

"Chemistry of tuberculosis bacteria. III."

Wiadomosci Chem. 7, 216-27 (1953); cf. C.A. 45, 10305a.